Theoretical Computer Science
Logic, semantics and theory of programming

Volume 179, Numbers 1–2, 1 June 1997

Abstracted/Indexed in: ACM Computing Reviews, Compuscience, Computer Abstracts, Current Contents: Engineering, Technology & Applied Science, Engineering Index/Compendex, INSPEC Information Services, Mathematical Reviews, Zentralblatt für Mathematik

Contents

Tutorial

S.L. Bloom and Z. Ésik
The equational logic of fixed points 1

Fundamental Studies

N.W. Keesmaat and H.C.M. Kleijn
Restrictions and representations of vector controlled concurrent system behaviours 61

H. Doornbos, R. Backhouse and J. van der Woude
A calculational approach to mathematical induction 103

C. Berline and K. Grue
A κ-denotational semantics for map theory in ZFC + SI 137

Contributions

I. Castellani and G.-Q. Zhang
Parallel product of event structures 203

C. Baier
Trees and semantics 217

J. Gruska, A. Monti, M. Napoli and D. Parente
Succinctness of descriptions of SBTA-languages 251

S. Alagić and M. Alagić
Order-sorted model theory for temporal executable specifications 273

H.-C. Yen
On reachability equivalence for BPP-nets 301

I. Sigstam and V. Stoltenberg-Hansen
Representability of locally compact regular spaces by domains and formal spaces 319

L. Lamport
Processes are in the eye of the beholder 333

Y. Gurevich and J.K. Huggins
Equivalence is in the eye of the beholder 353

O.H. Ibarra, N.Q. Tran and T. Yang
On the parallel complexity of loops 381

J. Eloranta, M. Tienari and A. Valmari
Essential transitions to bisimulation equivalences 397

Notes

J. Koslowski
Note on free algebras over continuous domains 421

I. Düntsch
A logic for rough sets 427

Author index volume 179 437